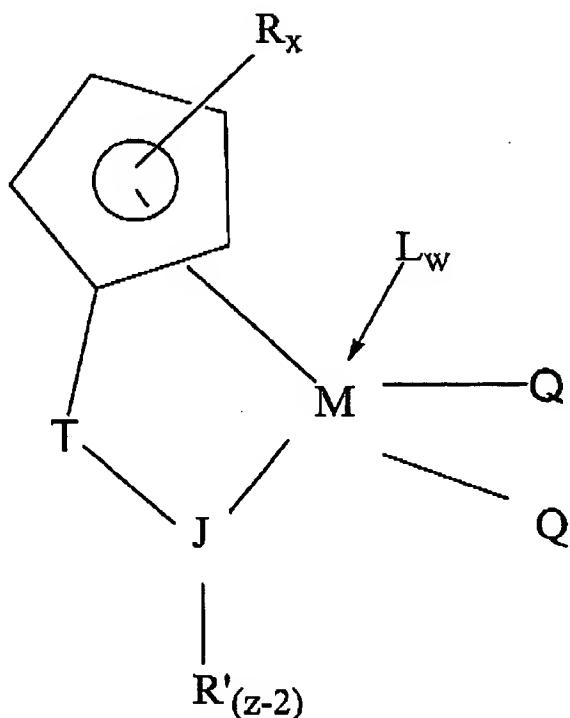


LISTING OF THE CLAIMS:

1.-26. (CANCELED)

27. (previously presented) A compound represented by the formula:



wherein M is Hf or Zr in its highest formal oxidation state;

( $C_5H_{4-x}R_x$ ) is a cyclopentadienyl ring which is symmetrically substituted with two or four substituent groups R, with "x" denoting the degree of substitution ( $x = 2$  or  $4$ ) and each R is, independently, a radical selected from a group consisting of C<sub>1</sub>-C<sub>20</sub> hydrocarbyl radicals, substituted C<sub>1</sub>-C<sub>20</sub> hydrocarbyl radicals wherein one or more hydrogen atoms is replaced by a halogen radical, an amido radical, a phosphido radical, an alkoxy radical or any other radical containing a Lewis acidic or basic functionality,

C<sub>1</sub>-C<sub>20</sub> hydrocarbyl-substituted metalloid radicals wherein the metalloid is selected from the Group IV A of the Periodic Table of Elements, and halogen radicals, amido radicals, phosphido radicals, alkoxy radicals, alkylborido radicals and radicals containing Lewis acidic or basic functionality, or at least two adjacent R-groups are joined forming C<sub>4</sub>-C<sub>20</sub> ring to give a saturated or unsaturated polycyclic cyclopentadienyl ligand;

(JR'<sub>z</sub>-2) is a heteroatom ligand in which J is an element with a coordination number of three from Group V A or an element with a coordination number of two from Group VI A of the Periodic Table of Elements, and each R' is, independently a radical selected from a group consisting of C<sub>1</sub>-C<sub>20</sub> hydrocarbyl radicals, substituted C<sub>1</sub>-C<sub>20</sub> hydrocarbyl radicals where one or more hydrogen atom is replaced by a halogen radical, an amido radical, a phosphido radical, and alkoxy radical and any other radicals containing a Lewis acidic or basic functionality, and "z" is the coordination number of the element J;

each Q is, independently, any univalent anionic ligand, such as a halide, hydride, or a substituted or unsubstituted C<sub>1</sub>-C<sub>20</sub> hydrocarbyl, alkoxide, aryloxide, amide, arylamide, phosphide or arylphosphide, or both Q together are an alkylidene, or a cyclometallated hydrocarbyl or any divalent anionic chelating ligand;

T is a covalent bridging group containing a Group IV A or V A element; and

L is a neutral Lewis base where "w" denotes a number from 0 to 3.

28. (previously presented) The composition of claim 27 where T is Si(R<sup>1</sup>)(R<sup>2</sup>), and wherein R<sup>1</sup> and R<sup>2</sup> are, independently, a C<sub>1</sub> to C<sub>20</sub> hydrocarbyl radicals, substituted C<sub>1</sub> to C<sub>20</sub> hydrocarbyl radicals wherein one or more hydrogen atom is replaced by a halogen atom; R<sup>1</sup> and R<sup>2</sup> may also be joined forming a C<sub>3</sub> to C<sub>20</sub> ring.
29. (previously presented) The compound of claim 27 wherein J is nitrogen.
30. (previously presented) The compound of claim 27 wherein R is a C<sub>1</sub> to C<sub>20</sub> hydrocarbyl radical and R' is a C<sub>11</sub>-C<sub>20</sub> cyclohydrocarbyl radical or an aromatic radical.

Attorney Docket No. 89B010C/4

31. (previously presented)The compound of claim 27 wherein R' is an alkyl radical or cyclic radical.
32. (previously presented)The compound of claim 27 wherein J-R'<sub>(z-2)</sub> is cyclododecylamido.

USSN: 07/973,261

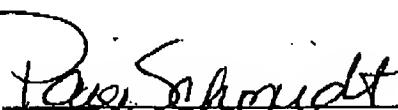
4

I:\BPC\LA\W\Prosecution\EMCC Prosecution\1980-1989\1989b010C\89h010-C-US\89B010C4\89B010C4-US-2005Aug-AmendRespNonComp.doc

Attorney Docket No. 89B010C/4

Respectfully submitted,

8/22/05  
Date

  
Paige Schmidt  
Paige Schmidt  
Attorney for Applicants  
Registration No. 38,556

ExxonMobil Chemical Company  
Law Technology  
P.O. Box 2149  
Baytown, Texas 77522-2149  
Phone: 281-834-1441  
Fax: 281-834-2495

USSN: 07/973,261

5

1:\BPC\LA\W\Prosecution\EMCC Prosecution\1980-1989\1989b010C\89b010-C-US\89B010C4\89B010C4-US-2005Aug-  
AmendRespNonComp.doc